Latamid 66 H-V0

Polyamide 66

LATI S.p.A.

Message:

Compound based on Polyamide 66 (PA 66).
Heat stabilised. UL94 V-0 classified, halogens and red phosphorus free. Product UL certified.

General Information	
UL YellowCard	E54080-244014
Additive	Heat Stabilizer
Features	Heat Stabilized
	Low (to None) Phosphorus Content
	Low Halogen Content

Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	1.1 to 1.4	%	
Flow : 2.00 mm	1.1 to 1.4	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	4200	MPa	
60°C	2000	MPa	
90°C	1200	MPa	
120°C	900	MPa	
150°C	700	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	75.0	MPa	
Break, 23°C	70.0	MPa	
Break, 60°C	50.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	3.0	%	
Break, 23°C	8.0	%	
Break, 60°C	45	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	3.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	55	kJ/m²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	35	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			

0.45 MPa, Unannealed	240	°C	ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
Continuous Use Temperature [2]	100	°C	
Vicat Softening Temperature	240	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	7.0E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index [3] (Solution A)	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	V-0		
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	960	°C	
2.00 mm	960	°C	
Oxygen Index	30	%	ASTM D2863
Injection	**Nominal Value**	**Unit**	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	260 to 290	°C	
Mold Temperature	70.0 to 100	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 MPa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

Recommended distributors for this material

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